



G-<sup>®</sup>Tex GE range products are nonwoven geotextiles composed of polyester long fibres which are formed into a stable network such that the fibres retain their relative position. G-<sup>®</sup>Tex GE range products are inert to biological degradation and resists naturally encountered chemicals, acids and alkalis.

(T: Typical values M: Minimum average roll values)

Properties (Standard)	Unit	GE 150	GE 180	GE 200	GE 250	GE 300	GE 350	GE 400	GE 450	GE 500
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**Mechanical Properties**

Tensile Strength [AS3706.2]	T M	KN/m	9.9 6.9	11.0 7.7	13 9.1	17.10 12.0	19.00 13.3	25.00 17.5	26.00 18.2	29.20 20.4	31.4 22.0
Tensile Elongation [AS3706.2]	T M	%	70 50	70 50	60 50	60 50	60 50	60 50	60 50	60 50	60 50
Grab Strength [AS3706.2]	T M	KN	0.54 0.4	0.65 0.5	0.73 0.5	1.00 0.7	1.10 0.8	1.47 1.0	17.20 12.0	1.90 1.3	2.2 1.5
Grab Elongation [AS3706.2]	T M	%	70 50	70 50	60 50	60 50	60 50	60 50	60 50	60 50	60 50
Trapezoidal Tear [AS3706.3]	T M	KN	0.29 0.20	0.34 0.24	0.33 0.23	0.46 0.32	0.50 0.35	0.64 0.45	0.61 0.43	0.74 0.52	0.78 0.55
CBR Burst Strength [AS3706.4]	M	KN(>=)	1.87 1.31	2.4 1.68	2.3 1.61	3.60 2.52	3.60 2.52	5.00 3.50	5.20 3.64	5.60 3.92	6.3 4.41
Puncture Resistance [ASTM D 4833]	M	KN(>=)	0.27 0.19	0.37 0.26	0.33 0.23	0.44 0.31	0.49 0.34	0.55 0.39	0.68 0.48	0.69 0.48	0.82 0.57
Cone Drop(d <sub>500</sub> ) [AS 3706.5 -2000]	T	mm	26	23	21.7	17	15	13	12	12	11

**Hydraulic Properties**

Flow Rate @100mm head [AS 3706.9 - 2012]	L/s/m <sup>2</sup>	249.02	179.12	199.02	180.39	211.76	189.22	123.53	113.73	124.51
Permittivity [AS 3706.9 - 2012]	sec <sup>-1</sup>	2.49	1.79	1.99	1.8	2.12	1.89	1.24	1.14	1.25
Apparent Opening Size O <sub>95</sub> [[AS 3706.9 - 2012]	µm ≤	75	75	75	75	75	75	75	75	75

**Physical Identification Properties**

Mass per Unit [ASTM D5261]	g/m <sup>2</sup>	150	180	200	250	300	350	400	450	500
Thickness ( 2KP ) [ASTMD5199]	mm	1.2	1.8	2.3	2.9	3.3	3.7	4	4.3	4.6
Roll Width	m(≤)	6	6	6	6	6	6	6	6	6
Roll Length	m	250	200	175	150	120	100	90	75	75
Approx Load Q' ty / 40' HQ	Sq. m	57000	48000	42000	34200	28800	24000	21600	18000	17100

Above values are on an average basis, the data was obtained from in-house test laboratory, National test institutes and international test institutes. It yields a 97.7% confidence in values of MARV and 50% confidence in values of typical that shipments quality complying with statistics published here. GEO-LINK keeps the right of data changes and the final explanation right.

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